



PTO/SB/08-03

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/743,917
Filing Date	24 DECEMBER 2003
First Named Inventor	Johann M. Schleier-Smith
Art Unit	1734
Examiner Name	
Attorney Docket Number	MR1735-83/DIV

Sheet 1 of 5

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
MM	A	US-	6,216,631	04/17/2001	Wissner-Gross	
MM	B	US-	6,216,538	04/17/2001	Yasuda, et al.	
MM	C	US-	6,055,859	05/02/2000	Kozuka, et al.	
MM	D	US-	6,029,518	02/29/2000	Oefftering	
MM	E	US-	5,951,456	09/14/1999	Scott	
MM	F	US-	5,831,166	11/03/1998	Kozuka, et al.	
MM	G	US-	5,711,888	01/27/1998	Trampller, et al.	
MM	H	US-	5,484,537	01/16/1996	Whitworth	
MM	I	US-	5,164,094	11/17/1992	Stuckart	
MM	J	US-	5,006,266	04/09/1991	Schram	
MM	K	US-	4,998,553	03/12/1991	Schram	
MM	L	US-	RE33,524	01/22/1991	Schram	
MM	M	US-	4,957,606	09/18/1990	Juvan	
MM	N	US-	4,879,011	11/07/1989	Schram	
MM	O	US-	4,877,516	10/31/1989	Schram	
MM	P	US-	4,759,775	07/26/1988	Peterson, et al.	
MM	Q	US-	4,743,361	05/10/1988	Schram	
MM	R	US-	4,693,879	09/15/1987	Yoshimura, et al.	
MM	S	US-	4,612,018	09/16/1986	Tsuboi, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†*
		Country Code ³	Number*+Kind Code ⁴ (if known)				

Examiner
Signature

Wendell Keith Jan

Date
Considered

6/3/04

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(Use as many sheets as necessary)

Sheet	2	of	5
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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/743,917
		Filing Date	24 December 2003
		First Named Inventor	Johann M. Schleier-Smith
		Art Unit	1734
		Examiner Name	
Sheet 3 of 5	Attorney Docket Number	MR1735-83/DIV	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KML	AA	T.B. Benjamin and F. Ursell. The stability of the plane free surface of a liquid in vertical periodic motion. PROC. R. SOC. LONDON, SER A, 225:505-515, 1954.	
KML	AB	MC. Cross and P.C. Hohenberg. Pattern formation outside of equilibrium. REV. MOD. PHYS., 65(3):851-1089, 1993.	
KML	AC	E.A. Cerdá and E. Tirapegui. Faraday's instability in viscous fluids. PHYS. REV. LETT., 78(5):859-862, 1997.	
KML	AD	E.A. Cerdá and E. Tirapegui. Faraday's instability in viscous fluids. J. FLUID MECH., 368:195-228, 1998.	
KML	AE	P. Chen and J. Vinals. Amplitude equation and pattern selection in Faraday waves. PHYS. REV. E, 60(1):559-570, 1999.	
KML	AF	W.S. Edwards and S. Fauve. Patterns and quasi-patterns in the Faraday experiment. J. FLUID MECH., 278:123-148, 1994.	
KML	AG	J. Fineberg and O. Lioubashevski. Propagating solitary waves in highly dissipative driven fluids. PHYSICA A, 249:10-17, 1998.	
KML	AH	Alexander Groisman and Victor Steinberg. Solitary vortex pairs in viscoelastic couette flow. PHYS REV. LETTER., 78(8):1460-1463, 1997.	
KML	AI	S. Kumar. Parametrically driven surface waves in viscoelastic liquids. PHYSICS OF FLUIDS, 11(8):1970-1981, 1999.	
KML	AJ	S. Fauve, K. Kumar, C. Laroche, D. Beysens, and Y. Garrabos. Parametric instability of a liquid-vapor interface close to the critical point. PHYS. REV. LETT., 68(21):3160-3163, 1992.	

Examiner Signature	<i>Michael David Lee</i>	Date Considered	6/2/04
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/743,917</td> </tr> <tr> <td>Filing Date</td> <td>24 December 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Johann M. Schleier-Smith</td> </tr> <tr> <td>Art Unit</td> <td>1734</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>MR1735-83/DIV</td> </tr> </table>		Application Number	10/743,917	Filing Date	24 December 2003	First Named Inventor	Johann M. Schleier-Smith	Art Unit	1734	Examiner Name		Attorney Docket Number	MR1735-83/DIV
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Sheet	4	of	5												

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JMC	AK	O. Ljoubashevski, Y. Hamiel, A. Agnon, Z. Reches, and J. Fineberg. Oscillations and propagating solitary waves in a vertically vibrated colloidal suspension. PHYS. REV. LETT., 83(16):3190-3193, 1999.	
JMC	AL	S. Kumar. Mechanism for Faraday instability in viscous liquids. PHYS. REV. E, 62(1):1416-1419, 2000.	
JMC	AM	Ron Lifshitz and Dean M. Petrich. Theoretical model for Faraday waves with multiple-frequency forcing. PHYS. REV. LETT., 79(7):1261-1264, 1997.	
JMC	AN	F. Melo, P.B. Umbanhowar, and H.L. Swinney. Hexagons, Kinks, and Disorder in Oscillated Granular Layers. PHYS. REV. LETT., 75(21):3838-3841, 1994.	
JMC	AO	T. Pritchett and J.K. Kim. A low-cost apparatus for the production of surface wave patterns in a vertically oscillating fluid. AM. J. PHYS., 66(9):830-833, 1998.	
JMC	AP	Uri Raviv, Pierre Laurat, and Jacob Klein. Fluidity of water confined to subnanometre layers. NATURE, 413:51-54, 2001.	
JMC	AQ	P.B. Umbanhowar, F. Melo, and H.L. Swinney. Localized excitations in a vertically vibrated granular layer. NATURE, 382(29):793-796, 1996.	
JMC	AR	Chen Weizhong and Wei Ronjue. Primary instabilities in Faraday waves under an arbitrarily periodic excitation. PHYS. REV. E, 57(4):4350-4353, 1998.	
JMC	AS	Xinlong Wang, and Ronjue Wei. Oscillatory patterns composed of parametrically excited surface-wave solitons. PHYS. REV. E, 57(2):2405-2410, 1998.	
JMC	AT	A. Wernet, C. Wagener, D. Papathanassiou, H.W. Muller, and K. Knorr. Amplitude measurements of Faraday waves. PHYS. REV. E, 63(036305): 1-9, 2001.	

Examiner Signature <i>Martha Rando</i>	Date Considered <i>6/2/04</i>
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Sheet	5	of	5
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Examiner Signature	<i>C. M. Smith, Jr.</i>	Date Considered	6/2/04
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